

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION

Entitled : A METHOD OF MAKING A COATING ON A METAL
SUBSTRATE AND/OR AN ARTICLE, SUCH A COATING,
SUCH A METAL SUBSTRATE AND/OR AN ARTICLE, AND
A CAM FORMING SUCH AN ARTICLE

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ABSTRACT OF THE DISCLOSURE

The method of the invention enables a coating to be made on at least one face to be protected of a metal substrate and/or article in order to improve its performance in terms of resistance to wear by friction, in particular at high temperature. The method comprises the following steps:

- providing a flexible sheet derived from at least one plate obtained by the technique of casting a strip by silkscreen printing from a viscous material made of a binder and a metal powder of a superalloy;
- cutting said flexible sheet to the dimensions of said face to be protected of a metal substrate and/or article in order to constitute a preform;
- placing said preform on said face to be protected of a metal substrate and/or article; and
- raising the assembly to a temperature enabling a coating to be formed by establishing a bond between said preform and said face to be protected.